



Transportation Legislation Review Committee

November 2, 2017

Regional Transportation District



RTD

About RTD



Overview

- Created in 1969
- Eight-county service area
- Service area: 2,342 square miles
- 2.92 million population (approximately 57% of CO's population)
- 15 elected Board members
- 1 percent sales tax
 - 0.6 base system
 - 0.4 FasTracks
- 1,023 active buses
- 172 Light Rail vehicles
- 66 Commuter Rail vehicles
- 80 Park-n-rides
- 101 million annual boardings
- Seven operating facilities
- Two administrative facilities
- 2,900 employees

About RTD



Bus

- 172 fixed bus routes
- 9,077 bus stops
- Local and Regional service
- Other services include:
 - Call-n-Ride
 - Access-a-Ride
 - BroncosRide
 - RockiesRide
 - SkyRide
 - Free MallRide
 - Free MetroRide
 - RunRide
 - SeniorRide

Light Rail

- Light Rail (7 lines – C, D, E, F, H, W, R)
- Smaller, articulating vehicles
- Designed for more frequent stops
- Seated and standing passengers
- City street operation
- 55 MPH maximum operating speed
- 750 volt DC

Commuter Rail

- Commuter Rail (3 lines – A, B, G)
- Larger, heavier solid-body vehicles
- Designed for fewer stops
- Focused on seated passengers
- Compliant for freight railroad corridors
- 79 MPH maximum operating speed
- 25,000 volt AC

RTD Financial Information

2017 Operating Budget

Base system*	\$494,462,000
FasTracks Operating Budget	\$98,719,000
Base system + FasTracks Operating Budget*	\$593,181,000

*Interest & depreciation excluded

- Adjusted RTD annual budget down for revenue by 2017 to \$30 million
- No capability to borrow or bond until 2026
- RTD estimates forgone revenue of approximately \$1.1 billion due to recession

FasTracks Update



- Continue to implement more than \$5.5 billion across the region
- 14,000 full-time jobs created since FasTracks began in 2005
- \$3 billion of private development around Union Station
- \$1 of transit infrastructure investment = \$4 injected in the local economy

FasTracks Update



Completed

- West Corridor
- Denver Union Station
- Free MetroRide
- US 36 Bus Rapid Transit
 - Flatiron Flyer
- University of Colorado A Line
- B Line – Union Station to Westminster
- R Line - Aurora

Upcoming

- G Line – Union Station to Ward Road
- North Metro from Union Station to 124th
- Southeast Corridor Extension

FasTracks Update



Projects Still to be Funded

- Central Corridor Extension
- Southwest Corridor Extension
- Northwest Rail from Westminster to Longmont
- North Metro from 124th to SH 7

Eagle P3 Update

Eagle P3 Project (A, B, and G Lines)

The first transit project of its kind in the U.S.

- A 34-year Public-Private-Partnership (P3) Concession in which Denver Transit Partners performs design, build, operations and maintenance, and provide partial financing
- Three commuter rail lines (A, B & G), rolling stock (trains), & maintenance facility (CRMF)
- Project cost: \$2.1 billion total, \$1 billion Full Funding Grant Agreement (FFGA), TIFIA loan, regional sales tax
- Regulatory agencies: Federal Transit Administration (FTA), Federal Railroad Administration (FRA), and Colorado Public Utilities Commission



Eagle P3 Update



- **University of Colorado A Line opened in April 2016**

- Average weekday ridership 22,500
- ~94% on-time performance year to date (RTD Board adopted goal is 90%)
- 12 at-grade crossings with 2 attendants at each crossing 24/7

- **B Line opened in July 2016**

- Average weekday ridership 1,800
- ~98% on-time performance year to date
- 1 private crossing, attendants removed October 16 (FRA approval)

- **G Line is fully built since 2016**

- Ready for final testing, was scheduled to open in October 2016 (over \$500 million infrastructure investment)
- Currently in violation of FFGA and TIFIA revenue service date of December 31, 2016, recovery plan submitted to FTA and TIFIA
- 16 grade crossings (including 1 private), 15 crossings with 2 attendants each 24/7 for 4-6 freight movements a day using similar grade crossing controls as before the Eagle Project
- RTD petitioned the PUC in May 2017 to remove crossing attendants, denied by Commission

Eagle P3 Update

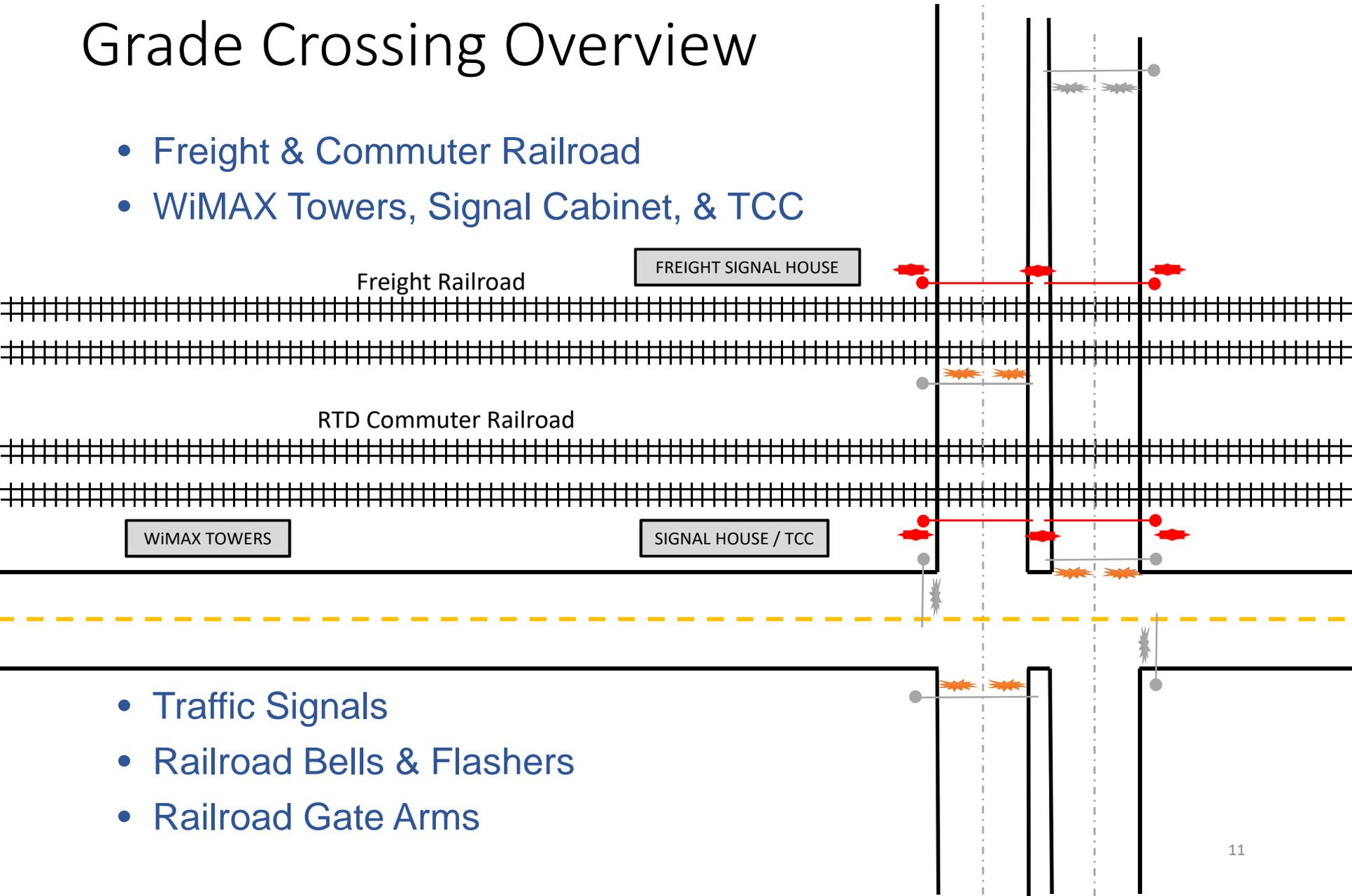


Current Regulatory Status

- FRA issued a 5-year waiver for the University of Colorado A Line and the B Line on September 28, 2017 (essentially accepting grade crossing design and operation)
- FRA issued a conditional approval for RTD to complete testing on the G Line, including crossing systems on October 11, 2017
- FRA approved removal of crossing attendants on the B Line private crossing on October 16, 2017
- RTD submitted motions to amend 3 crossings on the University of Colorado A Line. The Commission denied the motions on the September 27, 2017 docket (except for certain civil items)
- RTD submitted motions to amend the G Line crossings to complete grade crossing testing. The Commission denied the motions on the September 27, 2017 docket
- Commission had further discussion on RTD motions on the October 4, 2017 docket
- RTD received written orders from the Commission on October 25, 2017
- RTD will request a rehearing as stated in the orders and provide additional evidence

Grade Crossing Overview

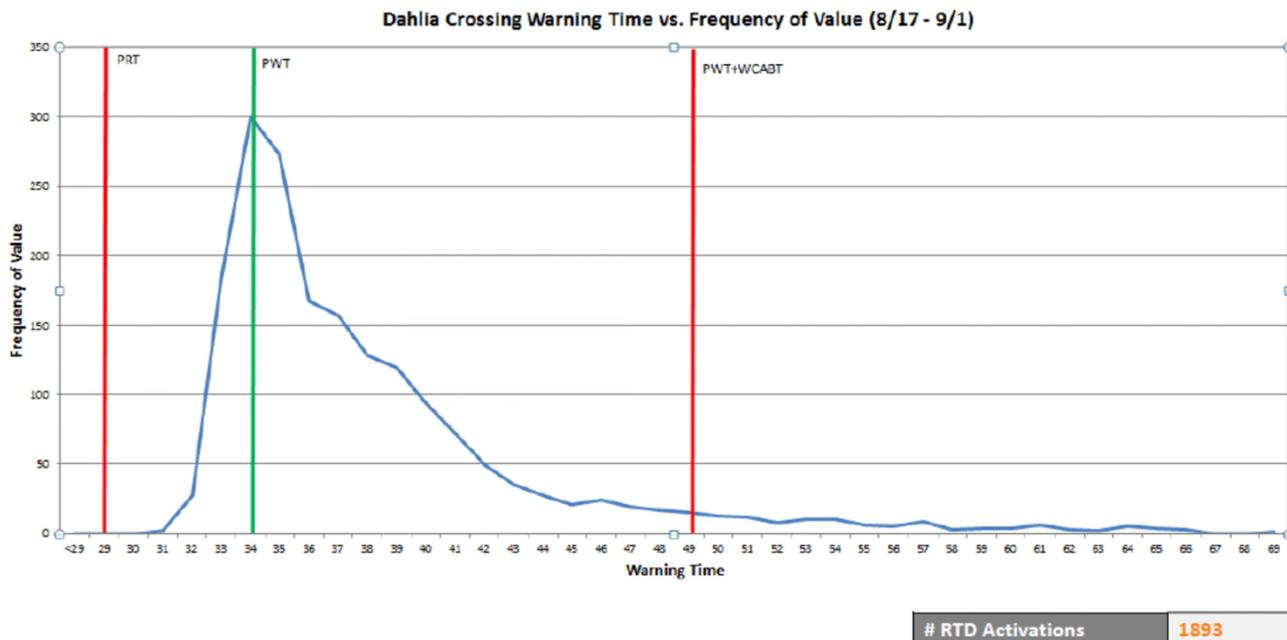
- Freight & Commuter Railroad
- WiMAX Towers, Signal Cabinet, & TCC



- Traffic Signals
- Railroad Bells & Flashers
- Railroad Gate Arms

Grade Crossing Reliability

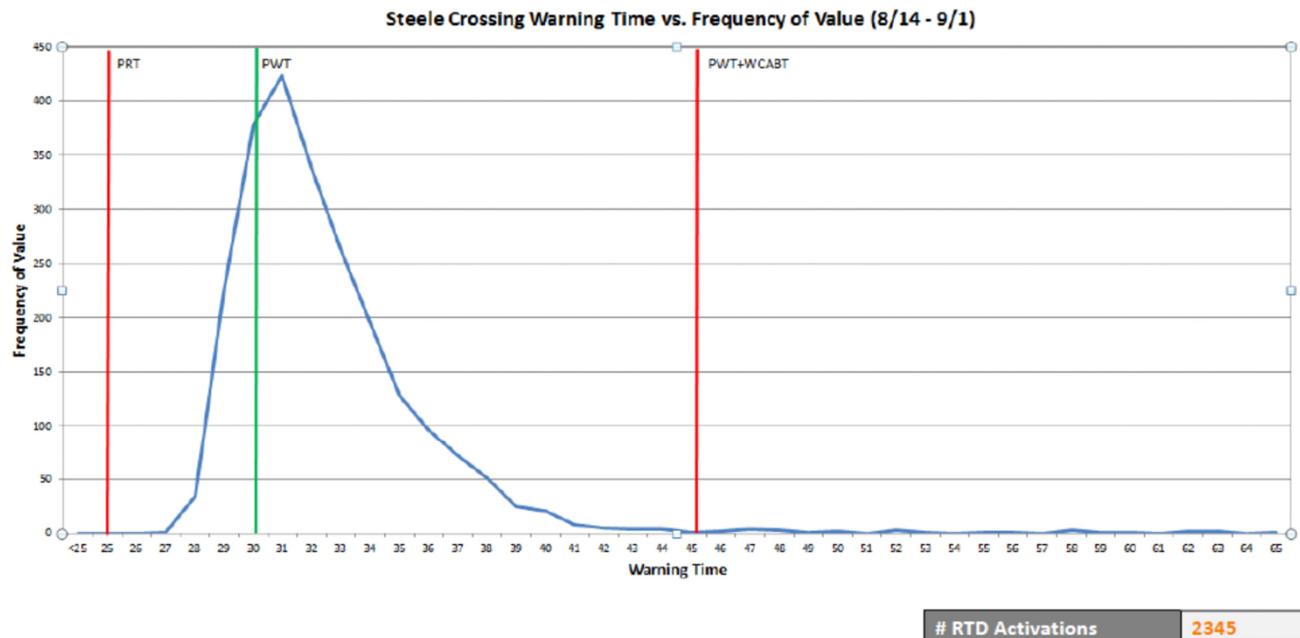
Dahlia Crossing



PRT = Prescribed Warning Time (PWT -5 seconds)
PWT = Programmed Warning Time
WCABT = Wireless Crossing Activation Buffer Time (15 Seconds)

Grade Crossing Reliability

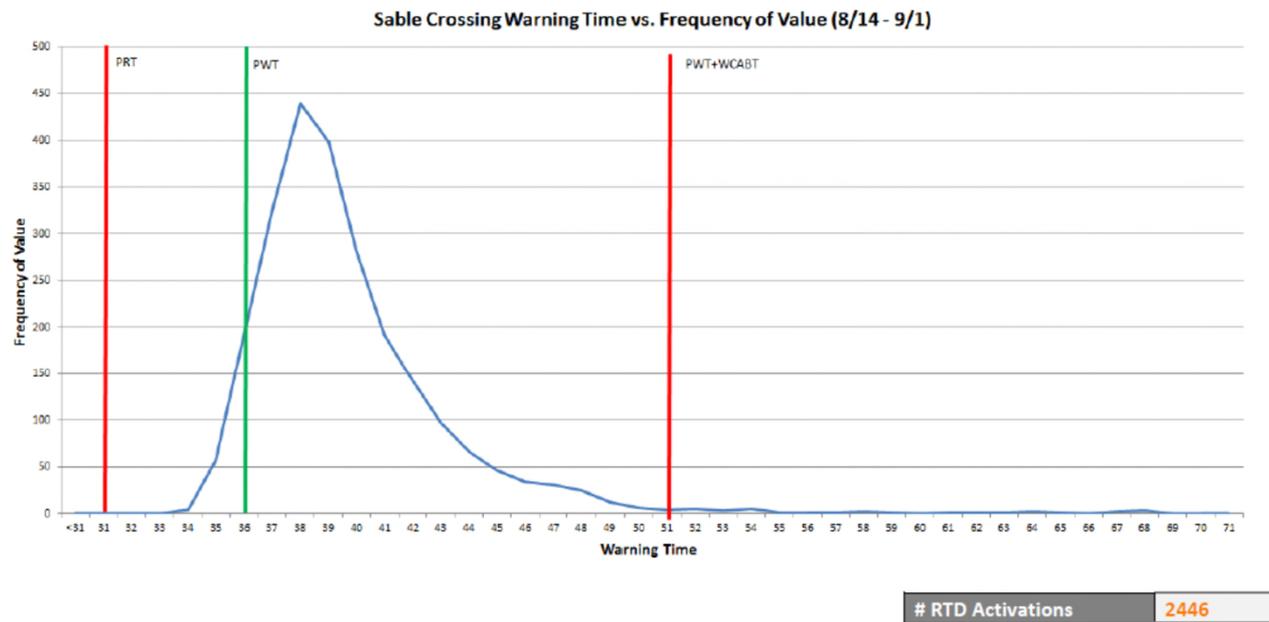
Steele Crossing



PRT = Prescribed Warning Time (PWT -5 seconds)
PWT = Programmed Warning Time
WCABT = Wireless Crossing Activation Buffer Time (15 Seconds)

Grade Crossing Reliability

Sable Crossing



PRT = Prescribed Warning Time (PWT - 5 seconds)
PWT = Programmed Warning Time
WCABT = Wireless Crossing Activation Buffer Time (15 Seconds)



Non-Profit Program Update

- In existence for more than 25 years
- Program funding level of \$6.8 million (fare value)
- 233 participating organizations
- Offers nonprofit organizations and government agencies a 50% discount on eligible fare products for low income clients
- Low income eligibility determined using current household income guidelines based on federal WIC (Women, Infants, and Children) program
- Eligible fare products include (discount and regular versions):
 - Monthly passes
 - Day Pass books
 - 10-ride ticket books
- Fare products may be returned by the agency for an account credit
- Agencies are currently capped at their 2016 spending levels

Non-Profit Program Update



- A PRECIOUS CHILD
- ACCESS GALLERY
- ACCESS HOUSING, INC.
- ADAMS & BROOMFIELD DISTRICT ATTORNEY'S OFFICE DIVERSION
- ADAMS 12 FIVE STAR SCHOOLS HOMELESS ASSISTANCE
- ADAMS COUNTY HEAD START
- ADAMS COUNTY HUMAN SERVICES DEPT. ADAMS WORKS FAMILY TRANSITION SERVICES
- ADAMS COUNTY HUMAN SERVICES DEPT.
- ADAMS COUNTY WORKFORCE & BUS. CENTER
- ADDICTION RECOVERY/DETOXIFICATION, BOULDER
- ADOLESCENT COUNSELING EXCHANGE (ACE) COMMUNITY CHALLENGE SCHOOL (CCS)
- AFTER CARE
- ALTERNATIVE SENTENCING
- ARAPAHOE COUNTY HUMAN SERVICES
- ARAPAHOE HOUSE (AH) COMBINED
- AROMOR APARTMENTS/MERCY HOUSING
- ARRUPE JESUIT HIGH SCHOOL CORPORATE WORK STUDY
- ARVADA COMMUNITY FOOD BANK -ARVADA HIGH SCHOOL
- ATLANTIS COMMUNITY, INC - INDEPENDENT LIVING SKILLS
- AURORA INTERFAITH COMMUNITY SERVICES
- AURORA MUNICIPAL COURT PROBATION, MARSHALS & DETENTION CTR.
- AURORA PUBLIC SCHOOLS, HOMELESS SVCS & PARENT ENGAGEMENT
- AURORA YOUTH OPTIONS (AYO)
- AXL ACADEMY
- BAYAUD ENTERPRISE/ BAYAUD REHAB
- BEHAVIORAL HEALTHCARE INC. RAINBOW CENTER
- BETHLEHEM LUTHERAN CHURCH/THE TABLE
- BOULDER COUNTY AIDS PROJECT CARE SERVICES
- BOULDER COUNTY COMMUNITY JUSTICE SVCS. JAIL EDUCATION AND TRANSITION
- BOULDER COUNTY HOUSING & HUMAN SERVICES GA
- BOULDER COUNTY SHERIFF'S OFFICE JAIL BASED BEHAVIORAL SERVICES (JBBS)
- BOULDER HOUSING PARTNERS
- BOULDER SHELTER FOR THE HOMELESS
- BOULDER VALLEY SCHOOL DISTRICT RE-2 TRANSPORTATION

- DEPARTMENT
- BOULDER VALLEY WOMENS HEALTH CENTER - SUBSIDIZED FAMILY PLANNING AND SEXUAL HEALTHCARE
 - BOULDER, CITY OF: FAMILY RESOURCE SCHOOLS
 - BOULDER/CENTRAL OFFICE
 - BOYS AND GIRLS CLUB OF METRO DENVER PACE/ BEACONS
 - BRADY EXPLORATION SCHOOL
 - BRIDGE HOUSE
 - BROOMFIELD CITY & COUNTY HEALTH & HUMAN SERVICES
 - BROOMFIELD GARDEN CENTER
 - CATHOLIC CHARITIES - SAMARITAN HOUSE-EMPLOYMENT RESOURCE CENTER
 - CATHOLIC CHARITIES EARLY CHILDHOOD EDUCATION
 - CC - LITTLE FLOWER CENTER
 - CC - SAMARITAN HOUSE VETERANS
 - CENTER FOR WORK, EDUCATION & EMPLOYMENT (CWEE)
 - CHRIST'S BODY MINISTRIES DAY SHELTER/CHURCH
 - CLARE OF ASSISI AND VILLA MARIA HOMES RESIDENT SERVICES
 - CLAYTON EARLY LEARNING
 - CLINICA FAMILY HEALTH
 - COLD WEATHER CARE
 - COLD WEATHER CARE - COLD WEATHER CARE EMERGENCY HOMELESS SHELTER
 - CLAYTON EARLY LEARNING
 - CLINICA FAMILY HEALTH
 - COLD WEATHER CARE
 - COLD WEATHER CARE - COLD WEATHER CARE EMERGENCY HOMELESS SHELTER
 - COLO DEPT OF HUMAN SERVICES – DIVISION OF VOCATIONAL REHABILITATION- LONGMONT OFFICE
 - COLO DEPT OF HUMAN SERVICES - DIVISION OF VOCATIONAL REHABILITATION- BOULDER OFFICE
 - COLORADO 17TH JUDICIAL DISTRICT PROBATION DEPT
 - COLORADO 18TH JUDICIAL DISTRICT PROBATION DEPT
 - COLORADO 20TH JUDICIAL DISTRICT PROBATION DEPT.
 - COLORADO ANTI-VIOLENCE
 - COLORADO CENTER FOR THE BLIND
 - COLORADO COALITION FOR THE HOMELESS : STOUT STREET LOFT
 - COLORADO COALITION FOR THE HOMELESS: BEACON PLACE

- COLORADO COALITION FOR THE HOMELESS: RUTH GOEBEL HOUSE
- COLORADO COALITION FOR THE HOMELESS: STOUT STREET HEALTH
- COLORADO COALITION
- COLORADO COMMUNITY CHURCH
- COLORADO DEPT. OF CORRECTIONS (CDC) COMMUNITY RE-ENTRY
- COLORADO DISABILITY BENEFITSSUPPORT
- COLORADO DIVISION OF YOUTH CORRECTIONS CENTRAL REGION
- COLORADO EPISCOPAL SERVICE CORPS
- COLORADO HIGH SCHOOL CHARTER
- COLORADO I HAVE A DREAM FOUNDATION
- COLORADO LEGAL SERVICES
- COLORADO MENTAL HEALTH INSTITUTE OF FORT LOGAN
- COLORADO ORGANIZATION FOR VICTIM ASSISTANCE (COVA) HUMAN TRAFFICKING
- COLORADO SEMINARY THE BRIDGE PROJECT
- COLORADO VINCENTIAN VOLUNTEERS
- COLORADO YOUTH AT RISK - STEPS AHEAD & TOUCHSTONE
- COMMUNITY HOUSING DEVELOPMENT ASSN., INC.
- COMMUNITY OF FAITH UNITED COLD WEATHER CARE
- COMMUNITY RE-ENTRY PLACE INSIDE/OUT (CRPIO)
- COMMUNITY REENTRY PROJECT
- COURT SUPPORT JEFFCO
- CROSS PURPOSE, JOB 1
- DECATUR PLACE APARTMENTS/MERCY HOUSING
- DENVER ADULT PROBATION DEPT.
- DENVER AREA YOUTH SERVICES
- DENVER CHILDREN'S HOME
- DENVER CITY & COUNTY DIVISION OF COMMUNITY CORRECTIONS
- DENVER COLORADO AIDS PROJECT
- DENVER COUNTY COURT PROBATION DEPT. & SOBRIETY COURT
- DENVER DISTRICT ATTORNEY'S OFFICE JUVENILE DIVERSION
- DENVER INNER CITY PARISH
- DENVER JUSTICE HIGH SCHOOL

Non-Profit Program Update

- DENVER JUVENILE PROBATION/TASC PROJECT FAMILY INTEGRATED DRUG COURT
- DENVER KIDS, INC.
- DENVER OFFICE OF ECONOMIC DEVELOPMENT, DIV. OF WKFRCE DEV. EMPLOYMENT FIRST
- DENVER PUBLIC SCHOOLS PUPIL ASSISTANCE FUND /SOCIAL SERVICES
- DENVER PUBLIC SCHOOLS EDUCATIONAL OUTREACH
- DENVER PUBLIC SCHOOLS TRANSPORTATION
- DENVER PUBLIC SCHOOLS - HEAD START
- DENVER PUBLIC SCHOOLS FAMILY AND COMMUNITY ENGAGEMENT - WORKFORCE INNOVATION AND OPPORTUNITY ACT
- DENVER REG. COUNCIL OF GOVERNMENTS (DRCOG) AAA REFUGEE ELDER
- DENVER RESCUE MISSION NEW LIFE
- DENVER SHERIFF DEPT (RECEIVING UNIT/CARE AND CUSTODY OF INMATES)
- DENVER PUBLIC SCHOOLS FAMILY AND COMMUNITY ENGAGEMENT - WORKFORCE INNOVATION AND OPPORTUNITY ACT
- DENVER REG. COUNCIL OF GOVERNMENTS (DRCOG) AAA REFUGEE ELDER
- DENVER RESCUE MISSION NEW LIFE
- DENVER URBAN MINISTRIES DENVERWORKS, INC.
- DEPARTMENT OF VETERANS AFFAIRS EASTERN COLORADO HEALTH CARE SYSTEM - THERAPEUTIC SUPPORTED EMPLOYMENT SERVICES/ COMPENSATED WORK THERAPY
- DHA - ACADEMIES TO WORK
- DHA - RESIDENT OPPORTUNITIES SELF SUFFICIENCY (ROSS)
- DHA - SOUTH LINCOLN HOPE VI
- DIVISION OF VOCATIONAL REHABILITATION - AURORA OFFICE
- DIVISION OF VOCATIONAL REHABILITATION - DENVER METRO OFFICE
- DIVISION OF VOCATIONAL REHABILITATION - GOLDEN OFFICE
- DIVISION OF VOCATIONAL REHABILITATION - NORTHGLENN OFFICE
- DOING HIS TIME PRISON MINISTRY 72 HOUR FUND
- DOMESTIC VIOLENCE INITIATIVE
- DOWNTOWN DENVER EXPEDITIONARY SCHOOL
- DRY BONES DENVER - TICKET DISTRIBUTION
- DSST PUBLIC SCHOOLS - HIGH SCHOOL INTERNSHIP
- EARTHLINKS
- EAST ANGEL FRIENDS & ALUMNI FOUNDATION - STUDENT ASSISTANCE FUND
- EMERGENCY FAMILY ASSISTANCE ASSOCIATION (EFAA)
- EMILY GRIFFITH FOUNDATION, INC.
- EMPOWERMENT, INC.
- ETHIOPIAN COMMUNITY DEVELOPMENT COUNCIL dba: AFRICAN COMMUNITY CENTER
- FAMILY PROMISE OF GREATER DENVER
- FAMILY SUPPORT SERVICES
- FAMILY TREE, INC.
- FIRST (1ST) JUDICIAL DISTRICT - PROBATION DEPT. (JEFFERSON COUNTY)
- FLORENCE CRITTENTON SERVICES - SUMMER CAMP
- FOCUS REENTRY
- FRANCONIA APARTMENTS/MERCY HOUSING, INC.
- FRESH START, INC.
- FRIENDS OF MOREY - FRIENDS OF MOREY PTO
- GOODWILL INDUSTRIES OF DENVER CAREER DEV.SVCS. & REHIRE COLORADO-STATE PROG.
- HALF A CHANCE LTD
- HARM REDUCTION ACTION CENTER
- HI MOM I AM HOME
- HIGHLINE ACADEMY CHARTER SCHOOL (DPS CHARTER)
- HIS LOVE FELLOWSHIP
- HOLLY PARK APARTMENTS/MERCY HOUSING
- HOMELESS VETERANS REINTEGRATION (HVRP)
- HOUSING FIRST
- INTEGRATED FAMILY COMMUNITY SERVICES CCH RAPID RE-HOUSING
- IT TAKES A VILLAGE
- JEFFERSON CENTER FOR MENTAL HEALTH
- JEFFERSON COUNTY DEPT. HUMAN SERVICES
- JEFFERSON COUNTY PUBLIC SCHOOLS COMMUNITY & FAMILY CONNECTIONS
- JEFFERSON COUNTY SHERIFF OFFICE
- JEWISH FAMILY SERVICE FAMILY SAFETY NET
- JOAN FARLEY ACADEMY (JFA SCHOOL)
- JUSTICE HIGH SCHOOL (BVSD CHARTER)
- LA CLINICA TEPEYAC
- LAKEWOOD HOUSING COPORATION HOUSING & SELF-SUFFICIENCY
- LAKEWOOD PROBATION DIVISION (CITY OF LAKEWOOD)
- LIVER HEALTH CONNECTION (HEPC CONNECTION DBA)
- LONGMONT OFFICE
- LOW-INCOME FAMILY EMPOWERMENT (LIFE) ACHA HOMELESS/LOW INCOME CLIENTS
- LUPUS FOUNDATION OF COLORADO
- MENTAL HEALTH CTR. OF BOULDER COUNTY
- MENTAL HEALTH SERVICE (MHS)
- MESA METRO CARING
- METRO COMMUNITY PROVIDER NETWORK
- METRO DENVER PARTNERS - ACADEMIC SUMMER ACADEMY AT PARTNERS
- MI CASA RESOURCE CENTER
- MILE HIGH COUNCIL ON ALCOHOLISM AND DRUG ABUSE
- MILE HIGH BEHAVIORAL HEALTHCARE
- MILE HIGH MINISTRIES/JOSHUA STATION
- MILE HIGH WOMEN'S OUTREACH CENTER
- MILE HIGH YOUTH CORPS/ENERGY AND WATER CON
- MILE HIGH YOUTH CORPS/YOUTHBUILD
- MOTHER MARY'S SOBER HOMES INC.
- MOUNTAIR CHRISTIAN CHURCH
- MY BELOVED MINISTRIES
- NATIVE AMERICAN SERVICES
- NEW LEGACY CHARTER HIGH SCHOOL
- DENVER FOOD RESCUE
- DENVER HEALTH & HOSPITAL AUTHORITY
- DENVER HUMAN SERVICES
- DENVER INDIAN CENTER, INC.
- DENVER INDIAN FAMILY RESOURCE CENTER
- DENVER INDIAN HEALTH & FAMILY SERVICES, INC.
- O.U.R. (OUTREACH UNITED RESOURCE) CENTER
- OPEN DOOR MINISTRIES
- PACE, BOULDER
- PATHWAYS & INTERVENTION SERVICES
- PLANNED PARENTHOOD PRENATAL PLUS
- PRAX (US)
- REDEEMED ONES JAIL MINISTRY & FAMILY OUTREACH



Non-Profit Program Update

- ROCKY MOUNTAIN CARES
- RYAN WELLNESS CENTER, BOULDER
- SACRED HEART HOUSE OF DENVER
- SAFE SHELTER OF ST. VRAIN VALLEY
- SAFEHOUSE DENVER INC. D.V. EMERGENCY SHELTER
- SAINT JOSEPH HOSPITAL RESOURCE SERVICE CENTER
- SALVATION ARMY, THE ARC-DENVER
- SAVE OUR YOUTH
- SECOND CHANCE CENTER INC. WAGEES 2
- SEED OF MERCY OUTREACH MINISTRIES
- SENIOR ASSISTANCE CENTER - TRANSPORTATION SERVICES
- SENIOR SUPPORT SERVICES, INC.
- SENIORS' RESOURCE CENTER
- SENIORS! INC
- SERVICIOS DE LA RAZA
- SHEKINAH MINISTRIES
- SHELTER
- SHERIDAN SCHOOL DISTRICT #2 HOMELESS EDUCATION
- SISTER CARMEN COMMUNITY CENTER
- SPIRIT OF CHRIST CATHOLIC COMMUNITY PRISON MINISTRY-
KEEP MOVING FORWARD
- ST FRANCIS CENTER
- STEP-UP INC. SEE: FITTING BACK IN
- STOUT STREET CLINIC / WEST END HEALTH CTR.
- STOUT STREET EYE CLINIC
- STRAIGHT AHEAD COLORADO
- STREET'S HOPE
- THE ACTION CENTER, INC.
- THE DELORES PROJECT
- THE GATHERING PLACE
- THIRD WAY CENTERS
- UC DENVER (ARTS)
- UC HEALTH IDGP
- URBAN PEAK
- URBAN SERVANT CORPS
- VOCATIONAL SERVICES
- VOLUNTEERS OF AMERICA COLORADO BRANCH
- WARNER HOUSE, BOULDER
- WARREN VILLAGE FAMILY SERVICES
- WESTMINSTER PUBLIC SCHOOLS
- WOMEN'S BEAN PROJECT
- WORK OPTIONS FOR WOMEN
- WORKLIFE PARTNERSHIP

Pass Program Working Group



- The Pass Program Working Group (PPWG) is a regional, multi-stakeholder group
- The PPWG will:
 - Review each RTD pass program
 - Review pricing and administration of each pass program
 - Propose pass program policy revisions
 - Recommend criteria for RTD to use in evaluating future proposals for new pass programs
 - Provide consensus-based, fiscally sustainable recommendations to RTD staff

Pass Program Working Group



PPWG Participating Organizations

RTD	Regional Air Quality Council
North Area Transportation Alliance	Northeast Transportation Connections
Denver Metro Chamber of Commerce	Denver Regional Council of Governments
City and County of Denver: Public Works	Downtown Denver Partnership
Mile High Connects	Colorado Department of Transportation
Denver Regional Mobility and Access Council	Denver Public Schools
City and County of Denver: Office of Children's Affairs	Denver South Economic Development Partnership
Denver Inter-Neighborhood Cooperation	Boulder City Council
Transit Alliance	Boulder Economic Development
FRESC	Boulder County
University of Colorado (Boulder)	West Colfax Business Improvement District
RTD Citizens Advisory Committee	

Pass Program Working Group



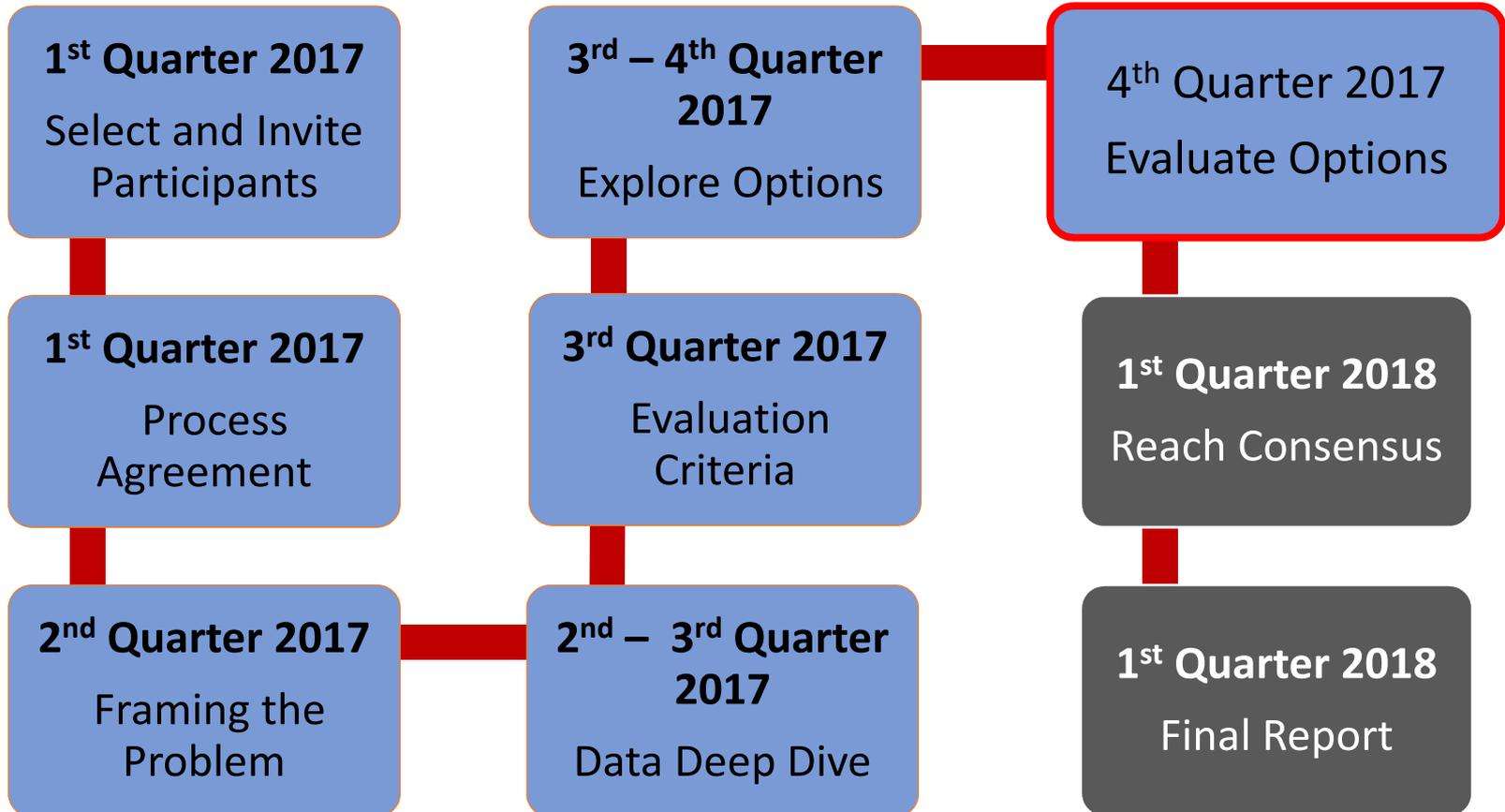
Activity Summary

- Hired a facilitator to help convene meetings and facilitate decision making
- Invited a diverse group of stakeholders to serve on the PPWG
- Hired a technical support consultant to assess ridership and revenue impacts of recommendations
- Convened seven (7) meetings since March 2017
- Currently modeling ridership and revenue impacts of multiple pass program elements (e.g., bulk purchasing, employer program, low-income program)

Pass Program Working Group

Timeline and Progress

We Are Here!!!!



Access-a-Ride Update

Access-a-Ride/Cab Ridership

	<u>Access-a-Ride</u>	<u>Access-a-Cab</u>	<u>Combined</u>
2006	596,392	45,044	641,436
2007	674,419	33,614	708,033
*2008	681,624	52,543	734,167
2009	672,636	78,587	751,223
2010	713,241	118,968	832,209
2011	693,917	139,540	833,457
2012	707,470	159,018	866,488
2013	685,096	187,884	872,980
2014	696,415	202,910	899,325
2015	715,457	193,009	908,466
2016	718,922	175,797	894,719

*January 1, 2008 – Access-a-Cab subsidy increase from \$7 to \$12

Access-a-Ride Update

Scheduling (Q2 2017)

Returned Manifest Data												
<< Day Prior To Service >>						<< Day of Service >>			<< Verified >>			
2017Month	Psgs Scheduled	Unsched Trips	Route Closure Requests	Routes Closed *	Extra Routes	Returned Manifests (Entire)	Returned Manifests (Partial)	# Trips Impacted	Missed Trips	Carrier OTP	Customer OTP	
Jan	68363	310	388	242	7	251	9	2130	415	94.58%	83.20%	
Feb	64434	231	268	146	2	226	23	2109	343	95.32%	84.26%	
Mar	72718	285	139	120	9	149	22	1379	387	96.26%	86.22%	
Apr	65565	282	72	48	21	90	14	810	294	96.51%	86.56%	
May	69612	317	29	63	24	30	7	258	297	96.55%	86.42%	
Jun	67992	177	3	31	11	17	5	147	280	97.24%	87.98%	
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
2017 Q1	205515	826	795	508	18	626	54	5618	1145	95.42%	84.63%	
2017 Q2	203169	776	104	142	56	137	26	1215	871	96.77%	86.98%	
2017 Q3	0	0	0	0	0	0	0	0	0			
2016 Q4	0	0	0	0	0	0	0	0	0			
2017 Q1 YTD	205515	826	795	508	18	626	54	5618	1145	95.42%	84.63%	
2017 Q2 YTD	408684	1602	899	650	74	763	80	6833	2016	96.10%	85.81%	
2017 Q3 YTD	408684	1602	899	650	74	763	80	6833	2016			
2017 Q4 YTD	408684	1602	899	650	74	763	80	6833	2016			
Note: * Includes routes closed due to low trip count									Note: OTP from Monthly Report			

Access-a-Ride Update



On-board Time Analysis (October – December 2016)

Oct-Dec 2016

On-Board Time / Scheduled

Minutes on Board	# Trips	% of Total
0-45	96,695	59.41%
46-60	25,647	15.76%
61-75	19,155	11.77%
76-90	12,491	7.67%
91-105	6,472	3.98%
106-120	1,970	1.21%
121-135	288	0.18%
136+	31	0.02%
Total Trips	162,750	

On-Board Time / Actual

Minutes on Board	# Trips	% of Total
0-45	106,727	65.58%
46-60	21,949	13.49%
61-75	15,017	9.23%
76-90	9,556	5.87%
91-105	5,428	3.34%
106-120	2,503	1.54%
121-135	990	0.28%
136+	580	0.36%
Total Trips	162,750	



Civic Center Update

- Construction contract \$26,127,600
- 12 – 18 month estimated construction schedule
- Designer – SEH
- Constructor – Mortenson
- Free MallRide service begins - November 12
- Grand opening celebration - December 15
- All revenue service begins - December 17



16th Street Update

- Mall is 34 years old – original design expected lifespan is 30 years
- Beyond wear and tear, pavers require frequent maintenance in excess of \$1 million/year
- Service disruption and safety issues for all users
- Federal grant in 2012 to rebuild several blocks
- Bids greatly exceeded estimates and budget
- Initiated an environmental process to address transit way surface
- Expanded environmental process is underway (CCD, RTD, DDP)
- Five possible alternatives identified
- Estimated selection of preferred alternative Q1 2018



16th Street Update

- 36 new shuttles
- 100% Battery Electric
- Range: >150 miles or >24 hrs. on the mall
- Capacity: 18 Seated and 88 Standees
- Continuous low floor with a rear window
- 3 wide passenger doors
- Two wheelchair spaces and designated locations for luggage
- Passenger compartment air conditioning and heat
- Approximately \$750,000/shuttle

Other Updates

A photograph of Denver Union Station at night, featuring the historic building with its illuminated sign that reads "UNION STATION TRAVEC & TRAIN". In the foreground, there is a modern transit station with a white, curved, glass-and-steel roof structure. The scene is lit with city lights and the station's own lighting.

- Autonomous Vehicle demonstration
- Stored-value smart card, \$0.25 discount/use
- Mobile ticketing, live November 1, 2017
- RFI – mobility on demand, mobility as a service, technology
- RFI – Denver Union Station, possible common carrier use
- New improved real-time bus and rail information (Trip Planner, Next Ride)



Questions?